

Workshop on Astronomy and Astrophysics for Amateur Astronomers

May 5, 2023

Objective of the Workshop

The workshop aims to provide an overview of astronomy and astrophysics to school and college students through lectures, hands-on sessions and poster presentations by experts in the related fields. Participants will get a broad understanding of celestial objects and associated activities:

- The Sun: Interior and Atmosphere
- Solar System & Exoplanets
- Formation and Evolution of Stars
- Our galaxy: the Milky Way
- Types of Galaxies: Hubble classification
- Ground and Space-based Observatories
- Scope of Astronomy and Astrophysics

Who can attend the Workshop?

Students of High School/Higher Secondary/College interested in the fields of astronomy and astrophysics

- **Maximum number of participants: 50**

Important Dates

- **Start of the online registration:** 14 April 2023
- **Last date for the registration:** 25 April 2023
- **Last date of payment of registration fee:** 25 April 2023

Registration Details

Registration Fee (including 18% GST): Rs. 600/-
It includes, foods(lunch, snacks & tea), booklet, etc.

Mode of Payment (Online Only):

Bank name: State Bank of India, NIT Calicut Campus
Account holder's name: Director NIT Calicut
Account No.: 37618269594, IFSC: SBIN0002207
SWIFT code: SBININBB392

Registration Link: [Click Here](#)

(registration link will be disabled after 50 responses)

Website: <https://sites.google.com/nitc.ac.in/waaa2023>

Organised by



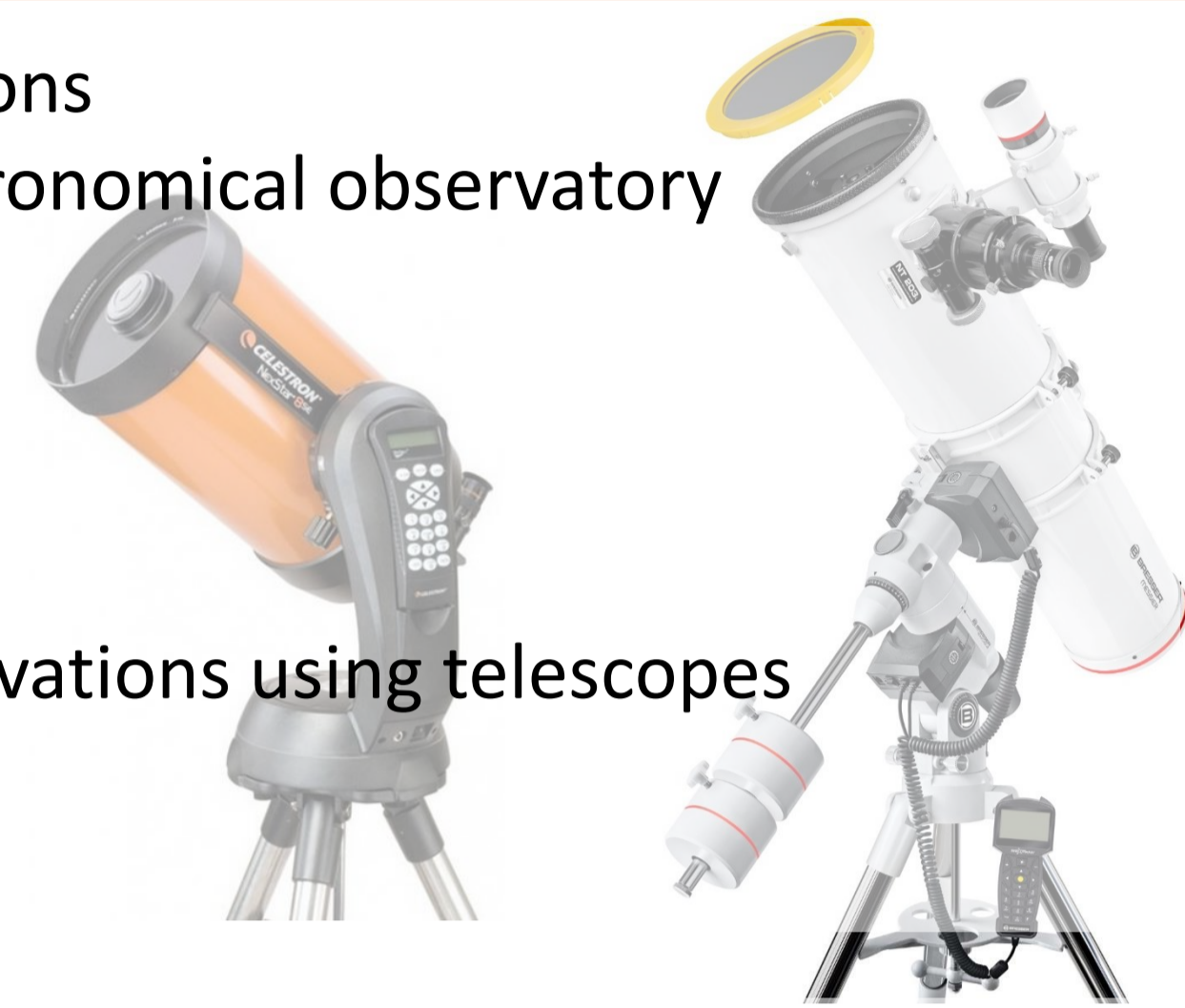
Dr. Ram Ajor Maurya (convener)
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Activities of the Workshop

- ✓ Seminars and interactions
- ✓ A virtual tour to an astronomical observatory
- ✓ Hands-on sessions on:
 - Solar observations
 - Problem-solving
 - Telescope making
- ✓ Day & night* sky observations using telescopes
- ✓ Poster presentations
- ✓ Quizzes



*for night sky observation (8:00 pm – 10:00 pm) participants have to make their own arrangements for stay and food

Resource Persons

- Dr. Vishal Joshi, Physical Research Laboratory, Ahmedabad
- Dr. Haris M K, National Institute of Technology, Calicut
- Mr. Jayant Ganguli, Regional Science Centre & Planetarium, Calicut
- Dr. Ram Ajor Maurya, National Institute of Technology, Calicut

Ph. D. Scholars:

- Safna Banu K.
- Jain Jacob P. T.
- Sachin R. Kanaujiya

Department of Physics

The Department of Physics at NIT Calicut is a center for teaching and research in applied physics and technology, with a dynamic team of faculty members, technical staff and research scholars. In addition to the Bachelor's and Master's programs (B. Tech. Engineering Physics and M.Sc. Physics), the department has active and vibrant research programs in experimental, theoretical and computational physics, supported by several externally funded projects.

National Institute of Technology, Calicut

National Institute of Technology (NIT) Calicut is one of the premier national institutions for technical education managed by the Ministry of Human Resources and Development, Government of India. Set in the picturesque landscape at the foothills of the western ghats. NIT Calicut is located about 22 km East of Calicut city and offers a placid environment for teaching and research. This institute offers academic programs leading to B.Tech., M.Tech, M.Sc. in Mathematics, Physics and Chemistry, M.B.A, M.C.A and PhD degrees in Engineering and Science disciplines